Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1867	(hierarch$3 or tree) with (summar$6 or groupor aggregation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/28 09:06
L2	276	1 and (aggregat$4 or group or cluster) with (search$3 or quer$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/28 08:19
L3	4970	(dimension$2 with (hierarch$4 or tree))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/28 09:46
L4	97	2 and 3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/28 08:22
L5	2355	(dimension$2 with categor$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/28 09:07
L6	46	4 and 5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/28 08:24
L7	15	6 and @ad<"19990721"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/28 08:41
L8	5	6 and @ad<"19990721" and olap	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/28 08:26

L9	0	(cover$3 with hierarch$4) and (onto with hierarch$4) and (strict with hierarch$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/28 08:40
L10	763	(cover$3 with hierarch$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/28 08:39
L11	0	(cover$3 with hierarch$4) and (onto with hierarch$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/28 08:40
L12	0	(onto with hierarch$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/28 08:40
L13	0	6 and @ad<"19990721" and (incremental with computation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/28 09:08
L14	9236	(hierarch$3 or tree) with (summar$6 or group or aggregation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/28 09:06
L15	133	14 and (dimension$2 with categor$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/28 09:33
L16	8	15 and "many-to-one"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/28 09:08

L17	8	16 and @ad<"19990721"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/28 13:22
L18	3	15 and (aggregat$5 or cluster) with normal$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/28 09:11
L19	3	15 and ((aggregat$5 or cluster) with normal$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/28 09:12
L20	1	(dimension$2 with "health care") and (aggregat$4 with dimension$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/28 09:28
L21	46	15 and @ad<"19990721"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/28 09:47
L22	1	21 and medical	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/28 09:30
L23	0	21 and (patient with diagnosis)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/28 09:31
L24	0	21 and (patient with data)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/28 09:31

L25	41	(group with diagnosis) and 14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/28 09:31
L26	11	25 and @ad<"19990721"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/28 09:32
L27	0	26 and (dimension$2 with categor$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/28 09:33
L28	0	27 and (map$4 with (stor$5 or sav$3 or record$3)) and (aggrega$4 with normal$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/28 09:37
L29	0	27 and (map$4 with (stor$5 or sav$3 or record$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/28 09:36
L30	0	27 and ((match$3 or group$3 or map$4) with (stor$5 or sav$3 or record$3)) and (aggrega$4 with normal$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/28 09:38
L31	1	21 and ((match$3 or group$3 or map$4) with (stor$5 or sav$3 or record$3)) and (aggrega$4 with normal$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/28 09:38
L32	400	(aggregat$4 or group or cluster) with (search$3 or quer$3) and (dimension$2 with (hierarch$4 or tree))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/28 11:00

L33	12	32 and ((analysis or control$4 or monitor) with dimension) and @ad<"19990721"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/28 12:49
L34	0	33 and (aggregat$5 with normal$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/28 09:50
L35	26	32 and ((analysis or control$4 or monitor) with aggregat$4) and @ad<"19990721"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/28 11:24
L36	1	32 and ((analysis or control$4 or monitor) with aggregat$4) and @ad<"19990721" and (analysis with procedure)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/28 11:25
L37	7	32 and ((analysis or control$4 or monitor) with aggregat$4) and @ad<"19990721" and (analysis with (execut$3 or procedure))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/28 11:26
L38	1	32 and ((analysis or control$4 or monitor) with aggregat$4) and @ad<"19990721" and (dimension with summar$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/28 11:51
L39	7	32 and ((analysis or control$4 or monitor) with aggregat$4) and @ad<"19990721" and (analysis with (procedure or execut$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/28 11:58
L40	7	(multidimension$2 with aggregat$4) and @ad<"19990721" and (analysis with (procedure or execut$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/28 11:59

L41	284	(dimension with analysis) and ((analysis or control$4 or monitor) with normal$4) and @ad<"19990721"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/28 12:51
L42	0	41 and (parent with child with relat$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/28 13:16
L43	5	41 and (parent with child)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/28 12:51
L44	9	41 and (strict or (non near strict) or (make near strict))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/28 13:19
L45	0	41 and (dimension with (strict or (non near strict) or (make near strict)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/28 13:24
L46	0	41 and (aggregat$4 with (strict or (non near strict) or (make near strict)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/28 13:20
L47	0	41 and (aggregat$4 with cover$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/28 13:21
L48	6	41 and (dimension$4 with cover$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/28 13:21

L49	3	15 and @ad<"19990721" and (707/6).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/28 13:22
L50	14	15 and @ad<"19990721" and (707/3).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/28 13:22
L51	4	15 and @ad<"19990721" and (707/4).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/28 13:23
L52	12	15 and @ad<"19990721" and (707/2).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/28 13:23
L53	0	15 and @ad<"19990721" and (707/103).ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/28 13:23
L54	0	41 and (make near onto) and (dimension near onto)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/28 13:26
L55	5	41 and (dimension near normal$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/28 13:26

Terms used
analysis multidimensional aggregation mapping normalised cover onto strict

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61 Concepts and effectiveness of the cover-coefficient-based clustering methodology for text databases

Fazli Can, Esen A. Ozkarahan

December 1990 **ACM Transactions on Database Systems (TODS)**, Volume 15 Issue 4

Full text available: pdf(2.74 MB) Additional Information: full citation, abstract, references, citings, index terms, review

A new algorithm for document clustering is introduced. The base concept of the algorithm, the cover coefficient (CC) concept, provides a means of estimating the number of clusters within a document database and related indexing and clustering analytically. The CC concept is used also to identify the cluster seeds and to form clusters with these seeds. It shown that the complexity of the clustering process is very low. The retrieval experiments show that the information-retrieval effectiv ...

Keywords: cluster validity, clustering-indexing relationships, cover coefficient, decoupling coefficient, document retrieval, retrieval effectiveness

62 Guidance for the use of the Ada programming language in high integrity systems

B. A. Wichmann

July 1998 **ACM SIGAda Ada Letters**, Volume XVIII Issue 4

Full text available: pdf(2.93 MB) Additional Information: full citation, abstract, citings, index terms

This paper is the current result of a study by the ISO HRG Rapporteur group which is being circulated for comment. Many people have contributed to this, but those who have either attended two recent meetings of group or have made substantial e-mail comments are: Praful V Bhansali (Boeing, USA), Alan Burns (University of York, UK), Bernard Carre' (Prax Critical Systems, UK), Dan Craigen (ORA, Canada), Nick Johnson MoD, UK), Stephen Miche (Canada), Gilles Motet (DGEI/INSA, France), George Roma ...

63 A cost model for query processing in high dimensional data spaces

Christian Böhm

June 2000 **ACM Transactions on Database Systems (TODS)**, Volume 25 Issue 2

Full text available: pdf(362.22 KB) Additional Information: full citation, abstract, references, citings, index terms, review

During the last decade, multimedia databases have become increasingly important in man application areas such as medicine, CAD, geography, and molecular biology. An important research topic in multimedia databases is similarity search in large data sets. Most current approaches that address similarity search use the feature approach, which transforms important properties of the stored objects into points of a high-dimensional space (feature vectors). Thus, similarity search is transformed ...

Keywords: cost model, multidimensional index

64 Attribute space visualization of demographic change

André Skupin, Ron Hagelman

November 2003 **Proceedings of the 11th ACM international symposium on Advances in geographic information systems**

Full text available: pdf(1.29 MB) Additional Information: full citation, abstract, references, index terms

This paper introduces an approach for closer integration of self-organizing maps into the visualization of spatio-temporal phenomena in GIS. It is proposed to provide a more explic representation of changes occurring inside socio-economic units by representing their attribute space trajectories as line features traversing a two-dimensional display space. A self-organizing map consisting of several thousand neurons is first used to create a high-resolution representation of attribute space in t ...

Keywords: Kohonen maps, cartography, exploratory analysis, spatialization, spatio-temporal modeling, visualization

65 Computer-time garbage collection by sharing analysis

Simon B. Jones, Daniel Le Métayer

November 1989 **Proceedings of the fourth international conference on Functional programming languages and computer architecture**

Full text available: pdf(1.49 MB) Additional Information: full citation, references, citings, index terms

66 Queries and aggregation: Computation hierarchy for in-network processing

Ram Kumar, Vlasios Tsiatsis, Mani B. Srivastava

September 2003 **Proceedings of the 2nd ACM international conference on Wireless sensor networks and applications**

Full text available: pdf(346.51 KB) Additional Information: full citation, abstract, references, citings, index terms

In this paper, we explore the network level architecture of distributed sensor systems that perform in-network processing. We propose a system with heterogeneous nodes that organizes into a hierarchal structure dictated by the computational capabilities. The presence of high-performance nodes amongst a sea of resource constrained nodes expose new tradeoffs in the efficient implementation of network-wide applications. The introductio of hierarchy enables partitioning of the application into sub ...

Keywords: computation offloading, hierarchical architecture, in-network processing